

1. COMPONENT NAVY	FY 19 ⁸⁷ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Mar 85
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT 1)	5. PROJECT NUMBER P-257
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FACILITY STUDY ^{SF}

1. Project: Provide 53,000 SF of Combat/Automotive Track Field Maintenance Shop area with a 7,540 Vehicle Inspection Station as Increment 1 of a total planned 442,600 SF maintenance complex.

2. Current and Planned Future Workload with Regard to This Project. The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work week is spent in the shops. The organization is responsible for performing third and fourth echelon maintenance on equipment assigned to the 2d Marine Division (FMF); Marine Corps Air Station (H), New River; and 2d Force Service Support Group (REIN). The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.

3. Description of Proposed Organization.

a. Type of Construction:

(1) Permanent one-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roof, insulation, interior utilities, and air conditioning in Inspector Repair and Accessory Shop Areas, and the admin area of Vehicle Inspection Station.

(2) Rigid and flexible pavements for walks, parking and tracked vehicle trails; security fences and lighting, site improvements, exterior utilities, etc.

b. Replacement. Not applicable; existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.

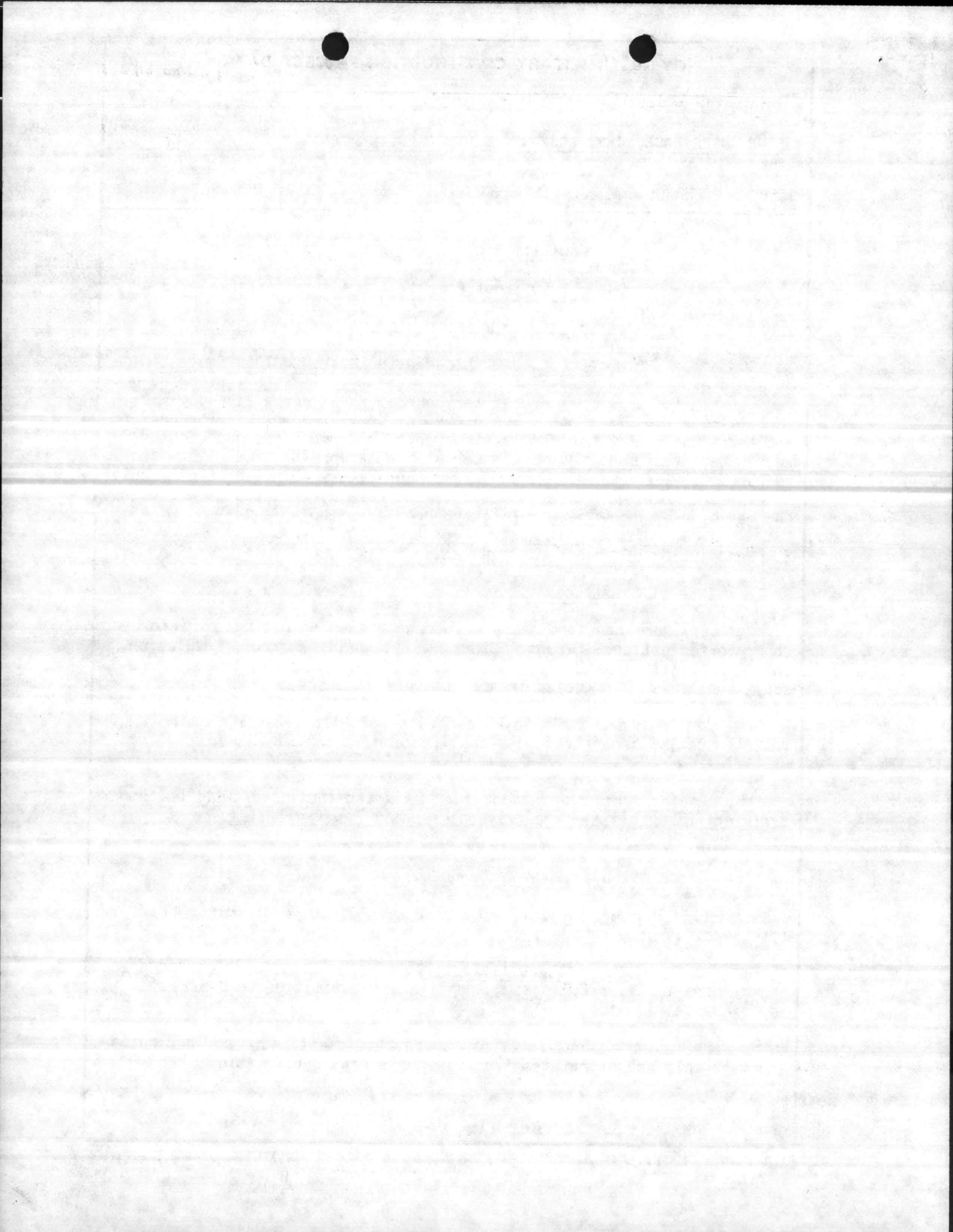
c. Description of Work to be Done.

(1) Primary Facility. Modular reinforced concrete/masonry structures on pile foundation.

(a) Support Facilities. Road, sidewalks, parking and tracked vehicle trail; security fencing and lighting, utilities, and site improvements.

(2) Energy Conservation. Energy efficient equipment and building materials and orientation for maximum energy conservation will be utilized.

(3) Collateral Equipment. (continued on next page)



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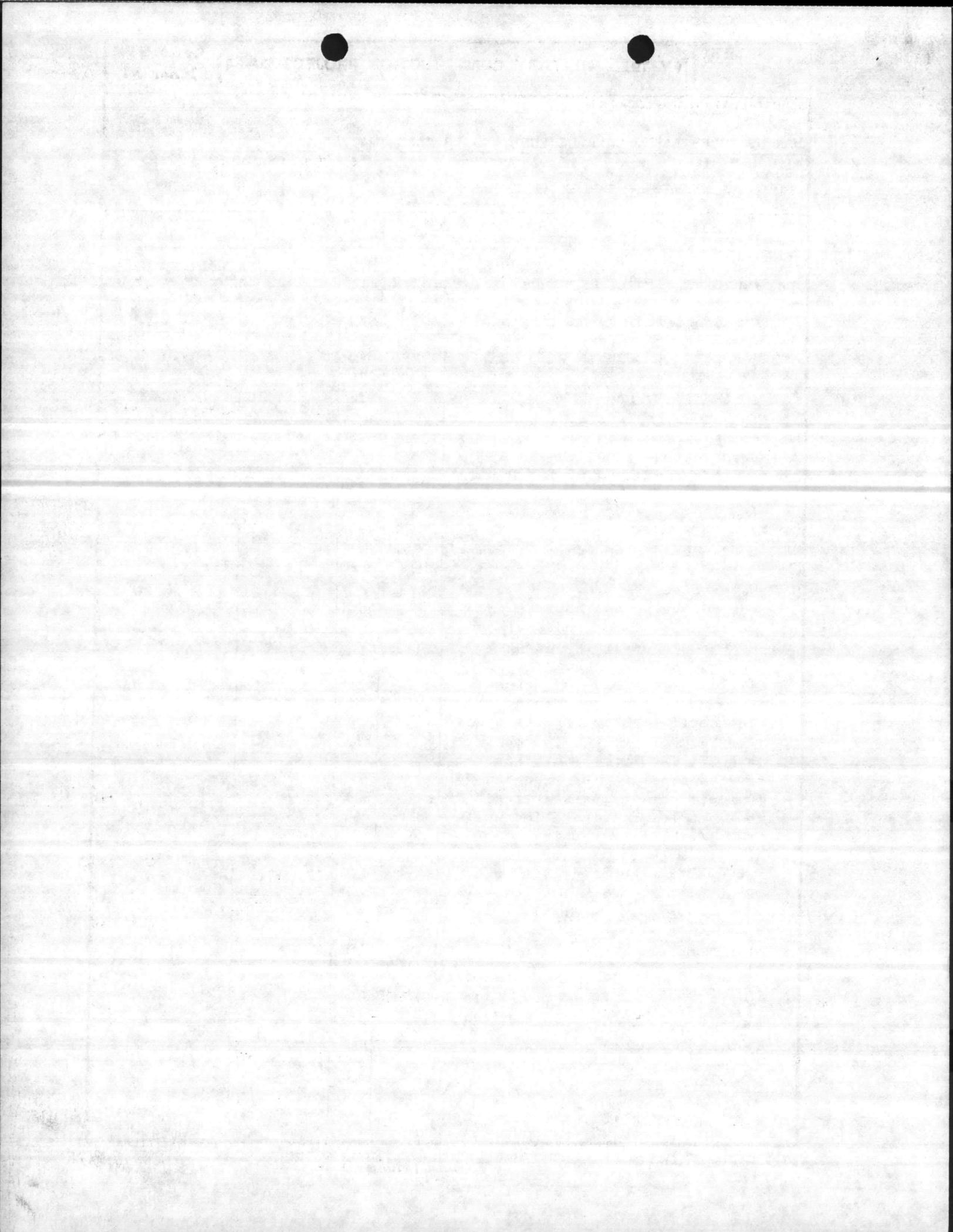
MILITARY CONSTRUCTION PROJECT DATA

3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

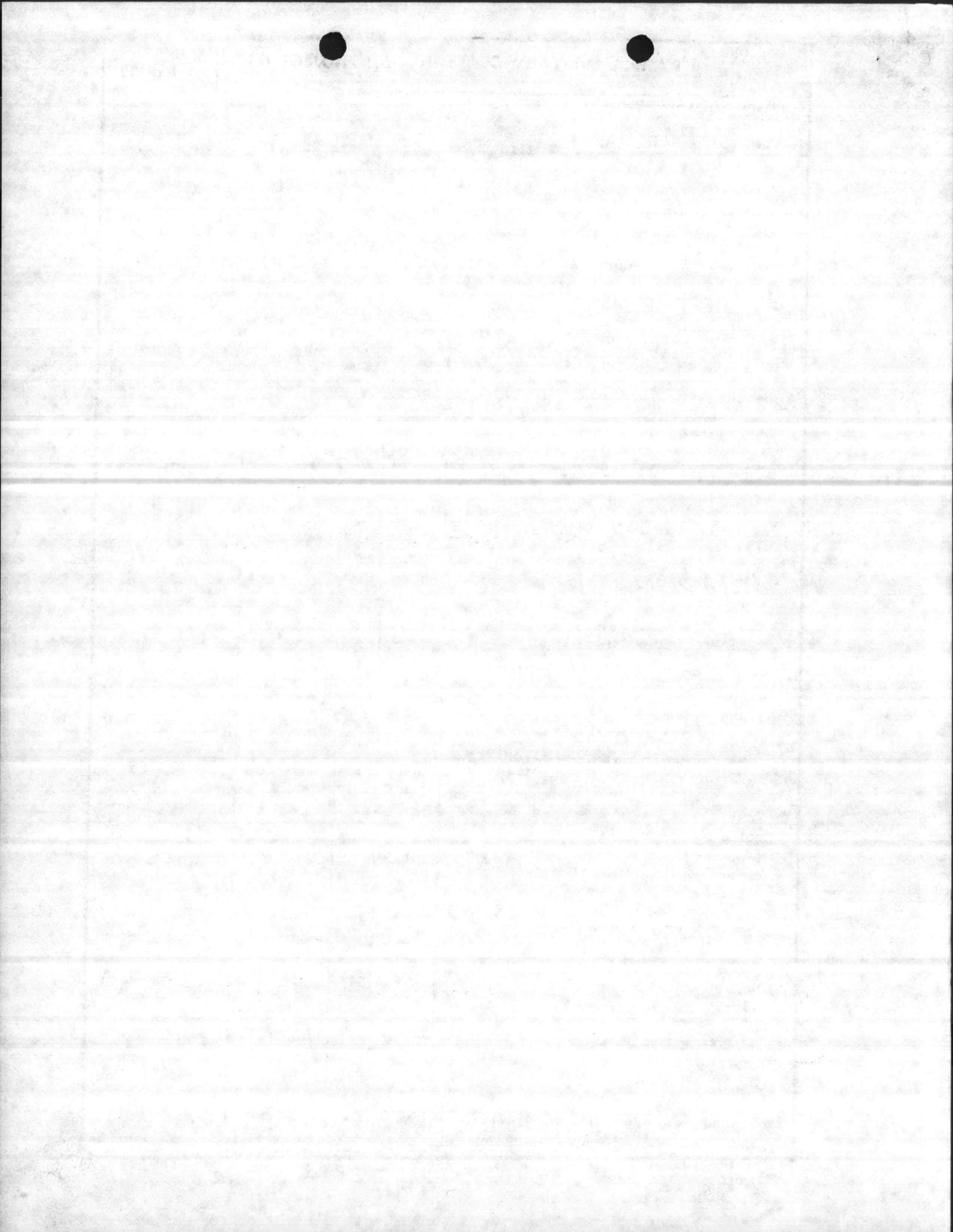
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(a) Built-In Equipment to be MCON Funded:

*Venetian blinds and window screens		EA	
*Air conditioning, heating and ventilating systems		SYS	
*Interior steam system		SYS	
*Plumbing System		SYS	
*Sprinkler System		SYS	
*Telephone, fire alarm, and intercom system		SYS	
*Drinking water coolers		EA	
*Air hose reel, 150 PSI H.D., w/hose control valve and hose stop (ceiling, wall, or pedestal mtd)		EA	
*Electric extension cord reel, H.D. w/cord stop (ceiling, wall or pedestal mounted)		EA	
*Water hose reel, H.D., w/hose control valve and hose stop (ceiling, wall or pedestal mtd.)		EA	
*Hose reels assembly w/control valves, H.D., overhead, automatic hose stops, and meters		EA	
*Exhaust system underground (automotive or construction eqpt)		SYS	
*Pass window, 4' wide, w/counter and "B" label roll-down shutter (w/fusible link, if required)		EA	
*Outlets for engine starting		EA	
*Outlets for refrigeration unit test (utilities repair)		EA	
*10 ton overhead bridge crane		EA	
*Twin-post pneumatic lift, H.D., 24,000 lb capacity		EA	
*5 ton overhead monorail		EA	
*2-ton jib crane		EA	
*Dynamometer, engine, 300 HP electric		EA	
*Dynamometer, engine, 1200 HP, electric		EA	
*Paint spray booth w/hood, 5'x3'		EA	
*Hose reel assembly w/control valves, HD, overhead, wall mtd or pedestal		EA	
*Engine starting outlets 12,24 and 36 volts		EA	



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<p>(a) Collateral Equipment. (continued)</p> <p>*Equipment with associated installation cost.</p> <p>(b) <u>EXPENSE ITEMS:</u></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Description</th> <th style="width: 5%;">Quantity</th> <th style="width: 5%;">Unit</th> <th style="width: 15%;">Unit Cost</th> <th style="width: 20%;">Total Cost</th> </tr> </thead> <tbody> <tr> <td>Benches, work, portable 60"x28" x34"H #9809T12, Pg 152</td> <td style="text-align: center;">4</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">765.27</td> <td style="text-align: right;">3,061</td> </tr> <tr> <td>Bench, work, stationary, stl top, lead covered 60x30x34 4880T13 pg 150</td> <td style="text-align: center;">80</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">577.50</td> <td style="text-align: right;">30,000</td> </tr> <tr> <td>Bins, parts.adj shelving #4640T2, pg. 135</td> <td style="text-align: center;">73</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">264.41</td> <td style="text-align: right;">19,302</td> </tr> <tr> <td>Bins, parts, rota, 3'diameter multi-bin #4649T33, pg. 135</td> <td style="text-align: center;">4</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">441.86</td> <td style="text-align: right;">1,767</td> </tr> <tr> <td>Shelving, 12"W w/adj standards #4586T11 pg. 126</td> <td style="text-align: center;">36</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">53.13</td> <td style="text-align: right;">1,913</td> </tr> <tr> <td>Grinder, pedestal, 10" x 1" #4374A74, pg 1602</td> <td style="text-align: center;">3</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">558.60</td> <td style="text-align: right;">1,676</td> </tr> <tr> <td>Press, hydraulic, 10ton #2472A14, Pg 1378</td> <td style="text-align: center;">1</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">1,900.00</td> <td style="text-align: right;">1,900</td> </tr> <tr> <td>Tank, cleaning (parts), 38"x22"x 34" (portable), w/drying racks</td> <td style="text-align: center;">1</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">395.00</td> <td style="text-align: right;">395</td> </tr> <tr> <td>Tank, test, 300 gal for outboard motor (portable)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">2,000.00</td> <td style="text-align: right;">2,000</td> </tr> <tr> <td>Press, drill, pedestal mounted 24" SW</td> <td style="text-align: center;">3</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">2,000.00</td> <td style="text-align: right;">6,000</td> </tr> <tr> <td>Stand, power train rebuild, 48 x 72"</td> <td style="text-align: center;">10</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">450.00</td> <td style="text-align: right;">4,500</td> </tr> <tr> <td>Bench, work (component rebuild 48"x96"x24"H</td> <td style="text-align: center;">29</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">300.00</td> <td style="text-align: right;">8,700</td> </tr> <tr> <td>Stand, axle</td> <td style="text-align: center;">10</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">230.00</td> <td style="text-align: right;">2,300</td> </tr> <tr> <td>Degreaser, mechanical</td> <td style="text-align: center;">3</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">700.00</td> <td style="text-align: right;">2,100</td> </tr> <tr> <td>Stand, large engine rebuild 38x90</td> <td style="text-align: center;">5</td> <td style="text-align: center;">EA</td> <td style="text-align: right;">460.00</td> <td style="text-align: right;">2,300</td> </tr> </tbody> </table>			Description	Quantity	Unit	Unit Cost	Total Cost	Benches, work, portable 60"x28" x34"H #9809T12, Pg 152	4	EA	765.27	3,061	Bench, work, stationary, stl top, lead covered 60x30x34 4880T13 pg 150	80	EA	577.50	30,000	Bins, parts.adj shelving #4640T2, pg. 135	73	EA	264.41	19,302	Bins, parts, rota, 3'diameter multi-bin #4649T33, pg. 135	4	EA	441.86	1,767	Shelving, 12"W w/adj standards #4586T11 pg. 126	36	EA	53.13	1,913	Grinder, pedestal, 10" x 1" #4374A74, pg 1602	3	EA	558.60	1,676	Press, hydraulic, 10ton #2472A14, Pg 1378	1	EA	1,900.00	1,900	Tank, cleaning (parts), 38"x22"x 34" (portable), w/drying racks	1	EA	395.00	395	Tank, test, 300 gal for outboard motor (portable)	1	EA	2,000.00	2,000	Press, drill, pedestal mounted 24" SW	3	EA	2,000.00	6,000	Stand, power train rebuild, 48 x 72"	10	EA	450.00	4,500	Bench, work (component rebuild 48"x96"x24"H	29	EA	300.00	8,700	Stand, axle	10	EA	230.00	2,300	Degreaser, mechanical	3	EA	700.00	2,100	Stand, large engine rebuild 38x90	5	EA	460.00	2,300
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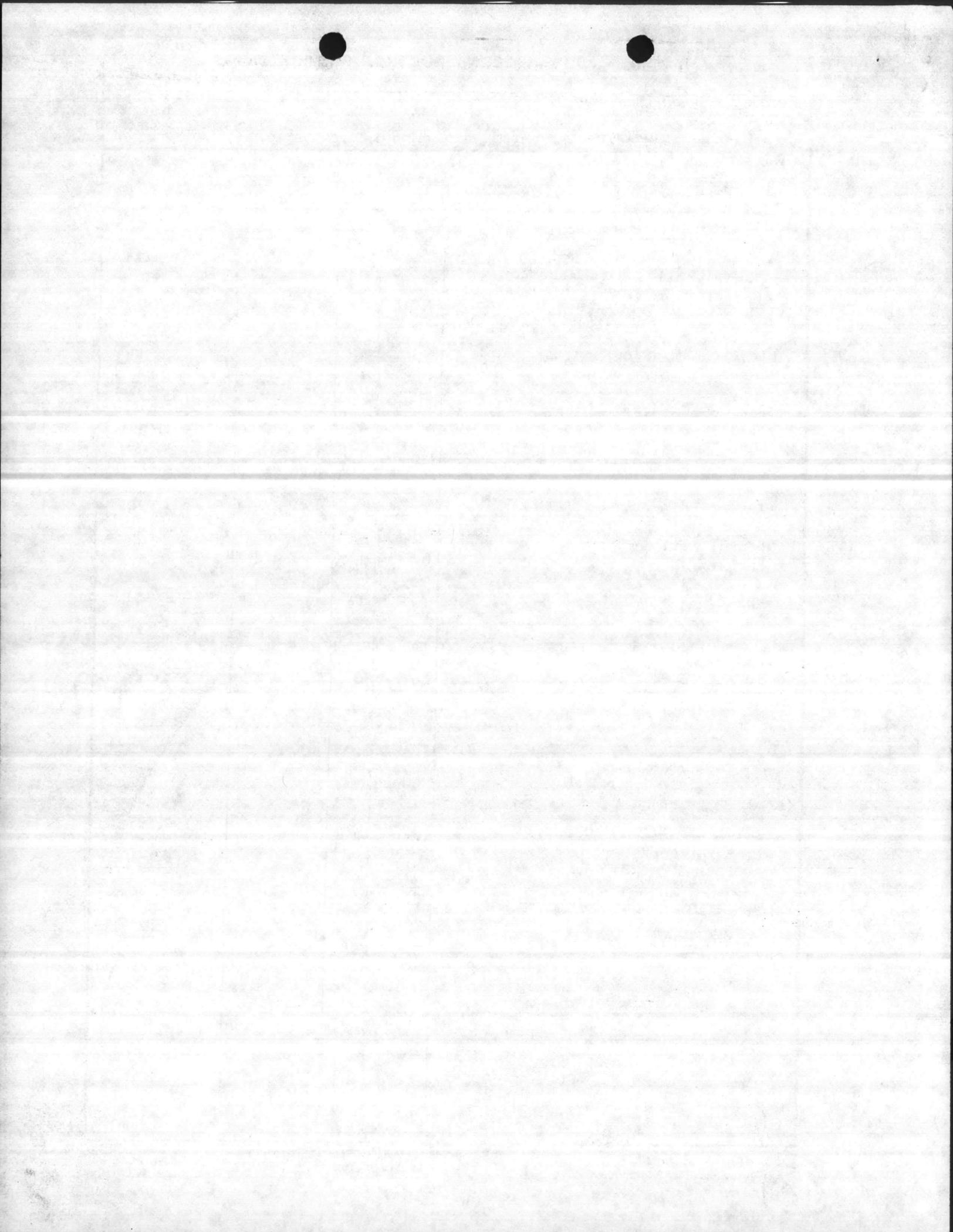
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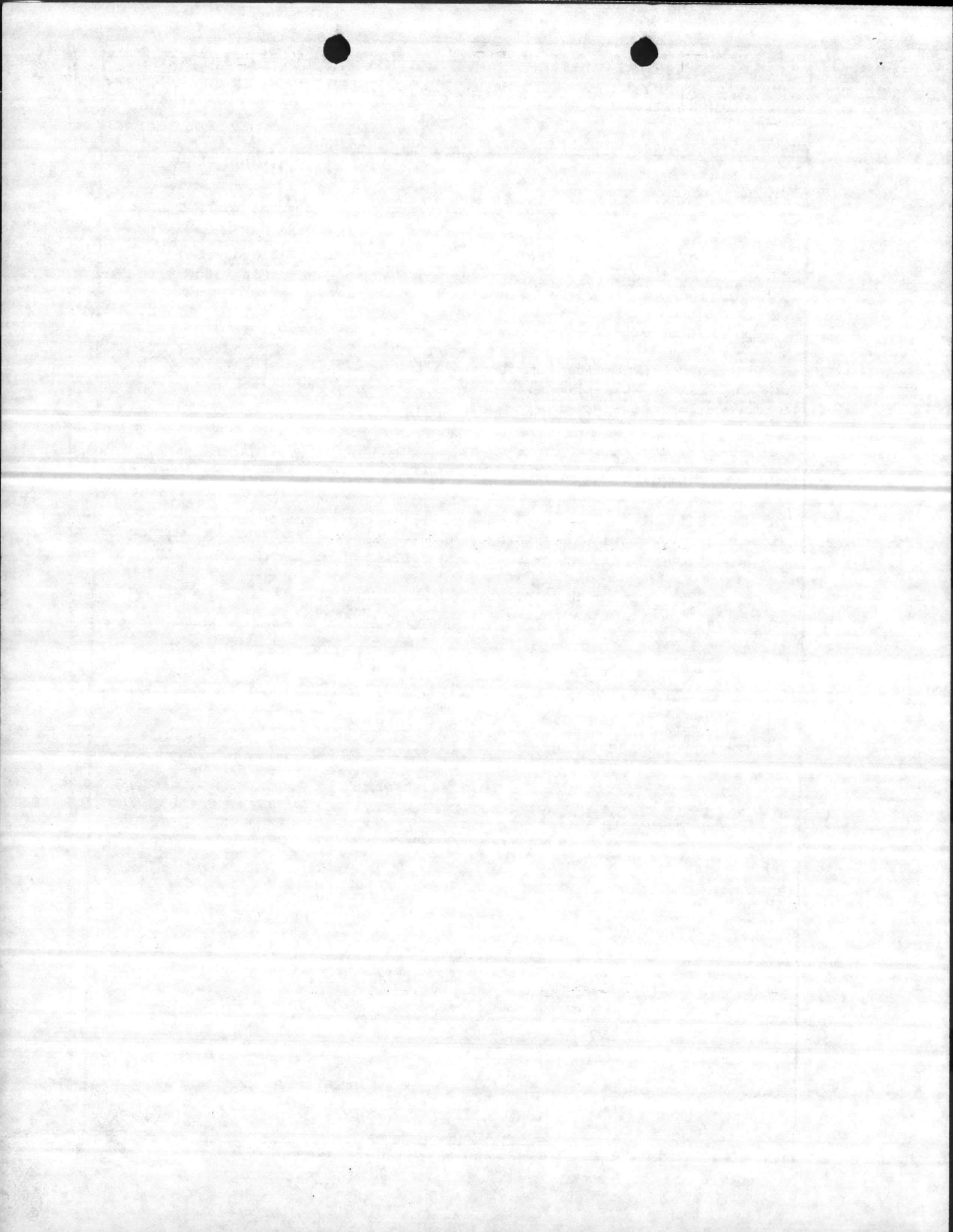
4. PROJECT TITLE **FIELD MAINTENANCE COMPLEX (INCREMENT 1)** | 5. PROJECT NUMBER **P-257**

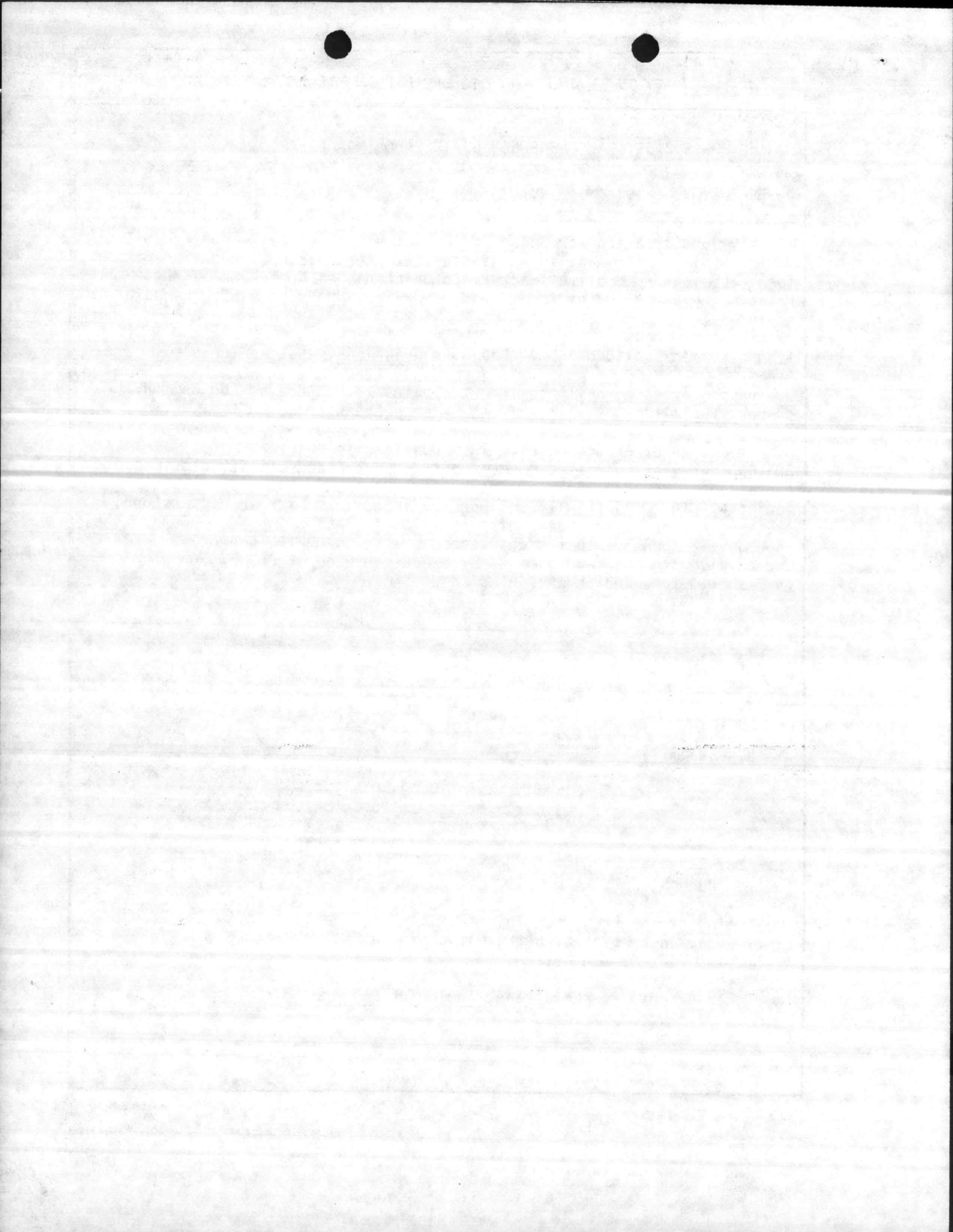
(b) EXPENSE ITEMS: (continued)

Stand, small engine rebuild #6671A16, pg 1778	6	EA	316.94	1,902
Stands, power train test and run- in, transmission and transfer cases	8	EA	900.00	7,200
Vat, chemical cleaning, cresylic acid type	1	EA	1,150.00	1,150
Stand, test (C&I)	2	EA	920.00	1,840
Tester. diagnosis (C&I)	1	EA	345.00	345
Stand, test, Agarts model, type II Part #7336.2	1	EA	862.00	862
Shelving, 24"	32	EA	90.00	2,880
TOTAL EXPENSE ITEMS:				104,093
None				
None				
None				
TOTAL EXPENSE ITEMS				104,093
ACCELERATED TO FY-87				119,830
BENEFICIAL OCCUPANCY DATE: December 1988				

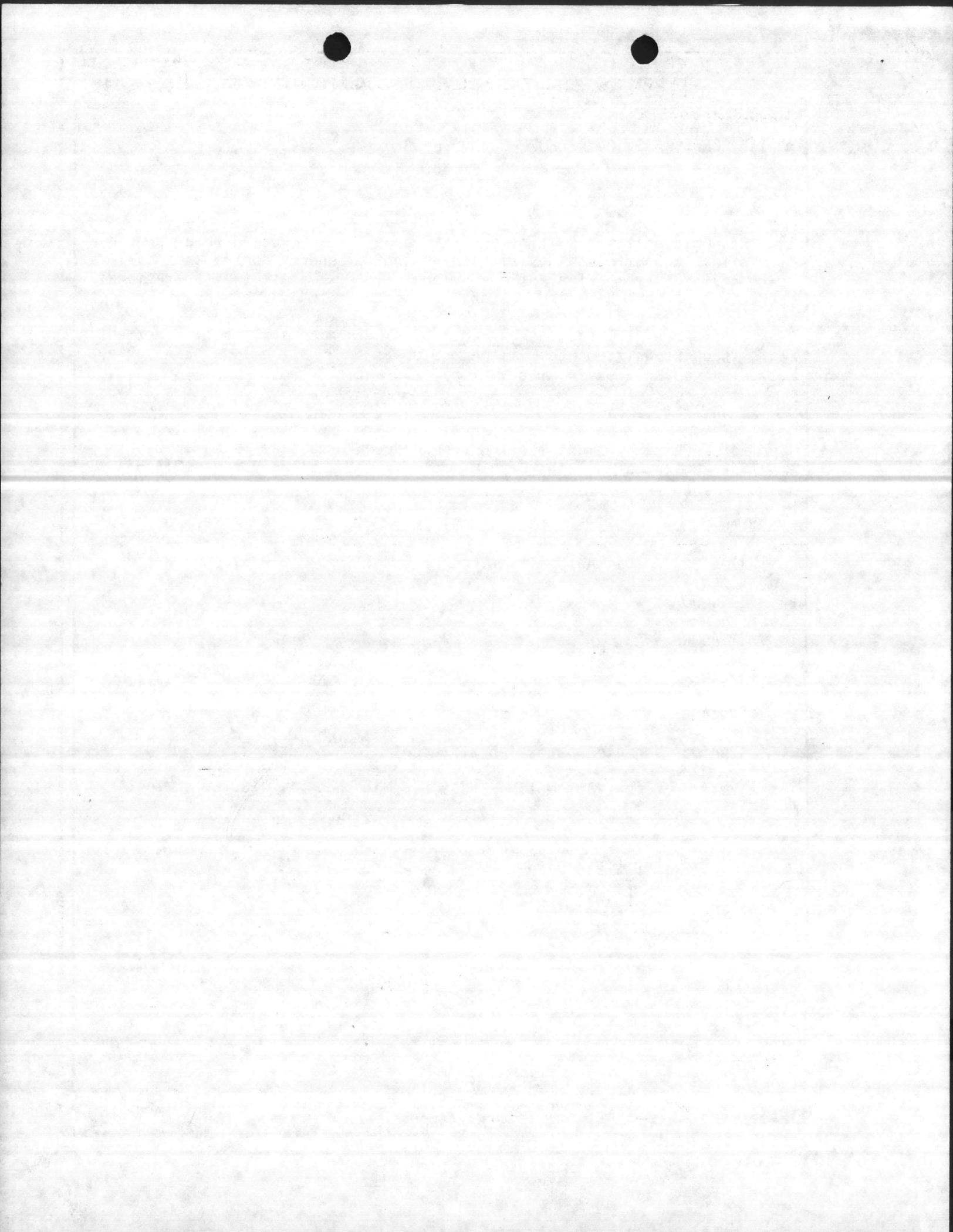


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<p>(4) <u>Supporting Facilities</u>. Special piling, foundation, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.</p> <p>4. <u>Cost Estimate</u>:</p> <p>Area cost factor for Camp Lejeune, NC is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG) to provide for this facility, escalated to FY-87.</p> <p>5. <u>Justification for Project and for Scope of Project</u>.</p> <p>a. <u>Justification for Project</u>:</p> <p>(1) <u>Project</u>. Proposed facilities are required to provide maintenance personnel with adequate and secure facilities to perform maintenance on combat, automotive, and track vehicles.</p> <p>(2) <u>Current Situation</u>. Personnel are working in substandard and makeshift facilities that are totally inadequate in size, configuration, utility requirements, and site location.</p> <p>(3) <u>Impact If Not Provided</u>. Personnel will continue to work in substandard and makeshift facilities, resulting in loss of work time and wasted energy.</p> <p>Continued on next page</p>		

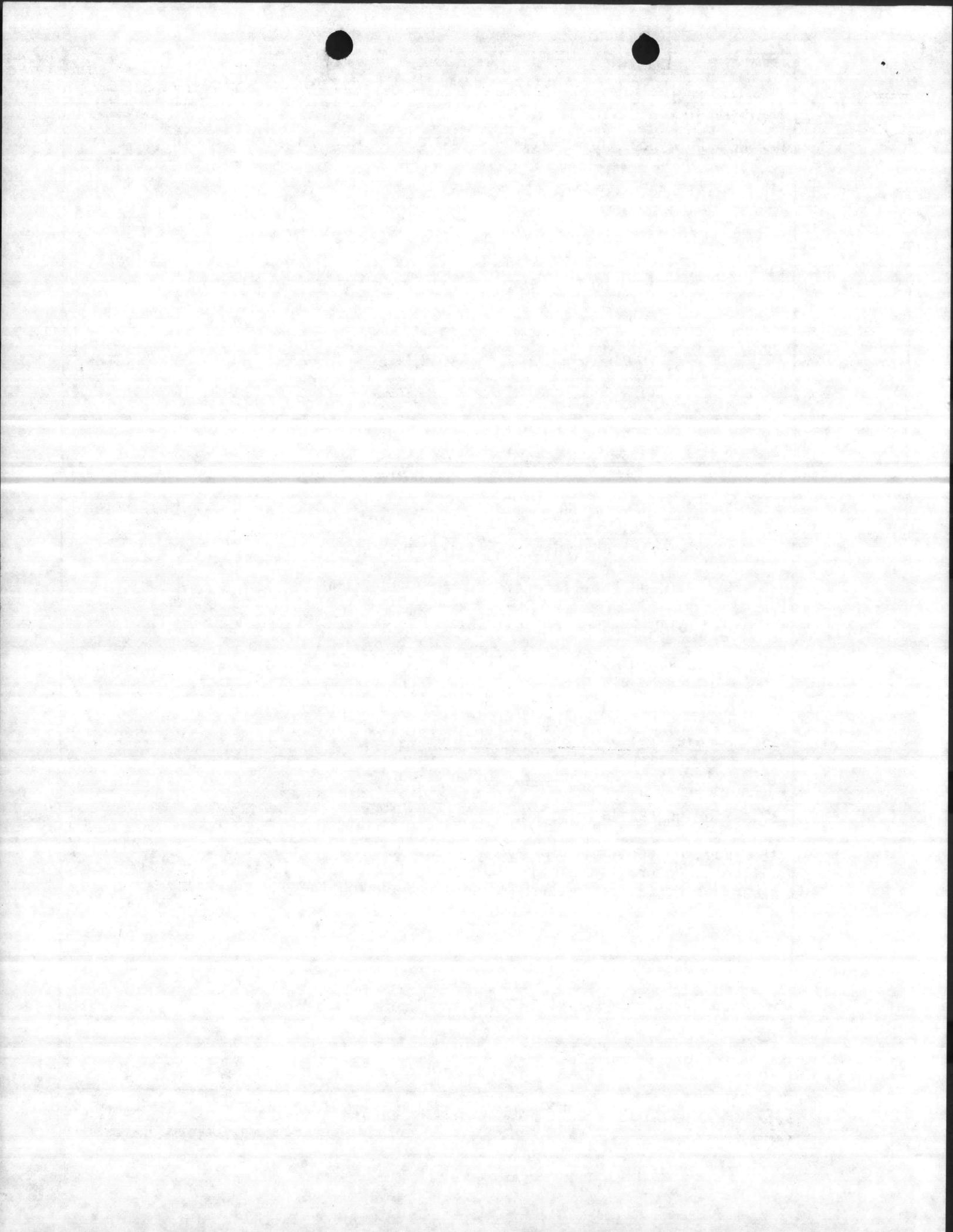




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<p>11. <u>Economic Analysis.</u> This facility is being constructed on an undeveloped site. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of an operational mission located in this area.</p> <p>12. <u>Environmental Impact Assessment.</u> An Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated.</p> <p>13. <u>Quantitative Data.</u></p> <p>a. <u>BFRL requirement</u> for the French Creek area (EA) is 442,600 SF. NAVFAC P-80 states that the requirement for this category code (214-53) is determined from definitive drawings given in NAVFAC P-272, Part IV.</p> <table border="1"> <thead> <tr> <th>NAVFAC DWG #</th> <th>DESCRIPTION</th> <th>AREA SF</th> </tr> </thead> <tbody> <tr> <td>1294489</td> <td>Combat/Automotive/Track Fld Mnt Shop</td> <td>220,000</td> </tr> <tr> <td>1294490</td> <td>"</td> <td>53,000</td> </tr> <tr> <td>1294491</td> <td>"</td> <td>47,500</td> </tr> <tr> <td>129492</td> <td>"</td> <td>48,000</td> </tr> <tr> <td>1294493</td> <td>"</td> <td>52,800</td> </tr> <tr> <td>1294508</td> <td>Vehicle Inspection Statement</td> <td>7,540</td> </tr> <tr> <td>1294444</td> <td>Combat/Automotive/Track Fld Mnt Shop</td> <td><u>13,760</u></td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL:</td> <td>442,600</td> </tr> </tbody> </table> <p>b. <u>Existing Facilities:</u> None</p> <p>c. <u>Planned Facilities:</u> SEE NEXT PAGE</p>						NAVFAC DWG #	DESCRIPTION	AREA SF	1294489	Combat/Automotive/Track Fld Mnt Shop	220,000	1294490	"	53,000	1294491	"	47,500	129492	"	48,000	1294493	"	52,800	1294508	Vehicle Inspection Statement	7,540	1294444	Combat/Automotive/Track Fld Mnt Shop	<u>13,760</u>	TOTAL:		442,600
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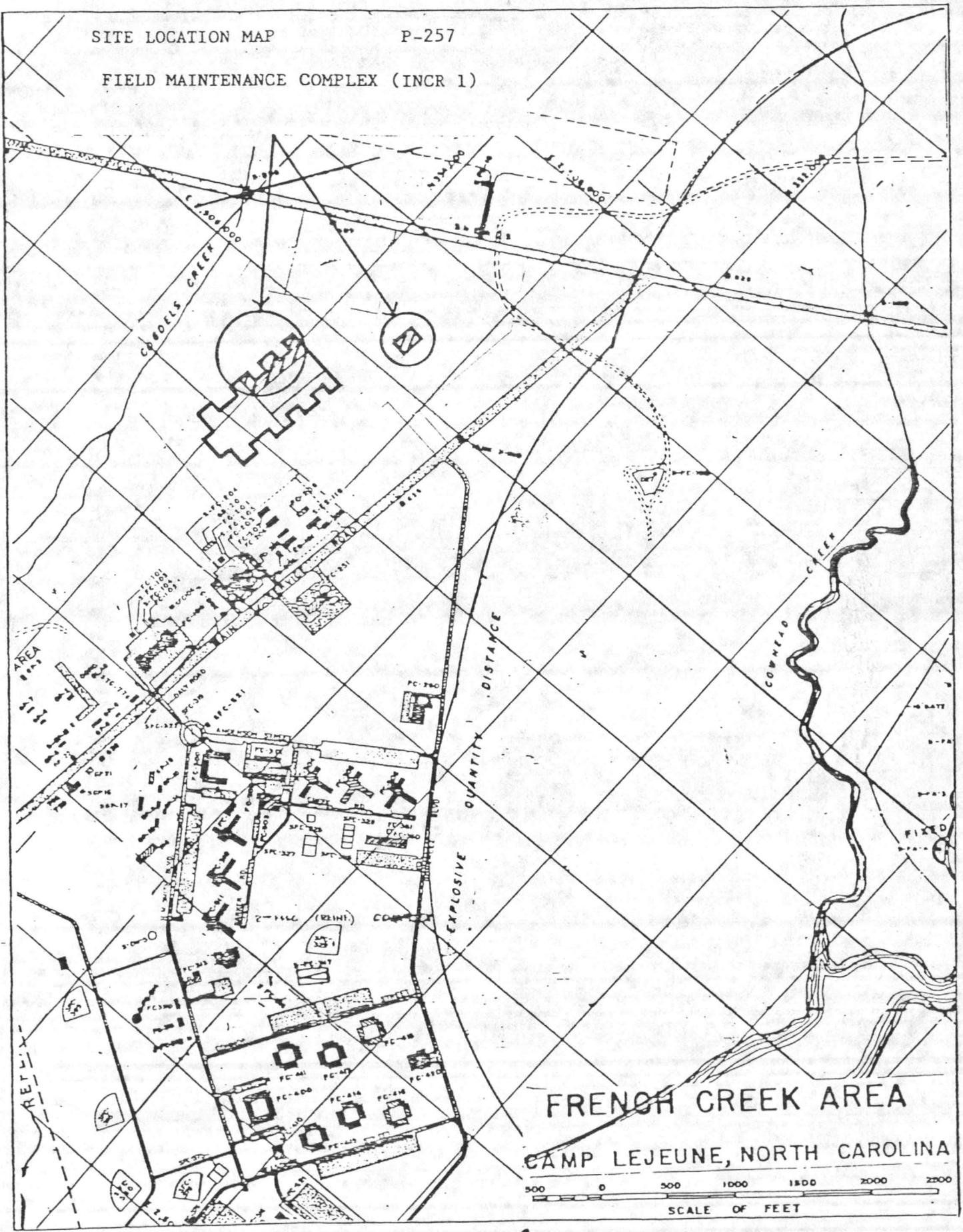
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SITE LOCATION MAP

P-257

FIELD MAINTENANCE COMPLEX (INCR 1)



FRENCH CREEK AREA
CAMP LEJEUNE, NORTH CAROLINA

